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(54) Title: SPERM PROTECTIVE POLYPEPTIDES AND USES THEREOF

(57) Abstract: The present invention relates to polypeptides capable of binding chaperone receptors, composition and methods for protecting, restoring, or improving the physiological properties of sperm cells. More particularly, the invention relates to protection of the motility, survival, fertility capability, resistance to cooling, freezing, and thawing of sperm cells put in contact with chaperone polypeptides.